Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/06/2020 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124822	-1	1.68	124896	1.67
Blue	F	SSC	125000	125750	0	1.71	126430	1.70
Blue	E	FITC	15892	15626	-2	2.79	338	20.27
Blue	D	PE	29999	29647	-2	1.95	647	14.26
Blue	B	PerCP-Cy5-5	43732	43479	-1	3.59	1163	20.31
Blue	A	PE-Cy7	30845	31225	1	6.02	602	39.92
Red	C	APC	46112	45696	-1	2.46	1610	11.76
Red	A	APC-Cy7	30458	29374	-4	2.36	782	11.77
Violet	B	V450	7918	7695	-3	4.28	447	12.19
Violet	A	V500	32171	31477	-3	4.08	739	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17484	7.53	620	-1	N/A	N/A	Pass
Blue	F	SSC	58236	1.12	565	6	N/A	N/A	Pass
Blue	E	FITC	62	65.51	543	0	0.0201	166	Pass
Blue	D	PE	134	49.42	549	1	0.1845	309	Pass
Blue	B	PerCP-Cy5-5	217	48.43	655	-1	0.0090	26	Pass
Blue	A	PE-Cy7	114	99.47	699	1	0.0114	22	Pass
Red	C	APC	389	25.01	586	2	0.0271	244	Pass
Red	A	APC-Cy7	174	28.43	555	-1	0.0058	1121	Pass
Violet	B	V450	67	58.87	461	3	0.0754	3272	Pass
Violet	A	V500	110	34.73	477	3	0.0246	1066	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.47	-32.14	1.00
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.88	13.60 - 20.40	N/A	N/A	29.68	30.05	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11175

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments